



01 May 1934

The Missouri Miner, May 01, 1934

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THE MISSOURI MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME XX

ROLLA, MO., TUESDAY, MAY 1, 1934

NUMBER 32

RADIO OUTFIT IS PURCHASED

Will Arrive Soon

To Have Fine 100-Watt Radiophone and Telegraph Short Wave Transmitter Installed Here Soon

An order has just been placed with the Collins Radio Company for a new 100-watt radiophone and telegraph short wave transmitter for the School of Mines. The transmitter is due to arrive in Rolla about May 10, and is expected to be in operation within two weeks after its arrival.

This fine equipment was purchased by the Electrical Engineering department after making a careful investigation of short wave transmitters. The final decision was made last week when Prof. Ranes and "Doug" Martin returned from Cedar Rapids, Ia., after visiting the Collins Radio Company's factory.

The Collins type 30FXB transmitter is the last word in short wave radio equipment and will put the M. S. M. station on a par with the finest amateur radio station in the country.

The 30FXB is not limited to code operations, but provides for telephone use on all of the amateur telephone frequencies. The quality of the speech equipment is such that it will respond to frequencies from 70 to 10,000 cycles.

The general specifications are as follows:

Power output—100 watts, normal rating. However, this may be increased to nearly 150 watts with a good degree of safety.

Frequency control—direct crystal control, providing excellent frequency stability.

Instruments—Six flush type high-grade instruments are furnished for reading oscillator and first amplifier plate current, second amplifier grid current, second amplifier plate current, modulator plate current, filament voltage and antenna current.

Keying — A special arrangement has been made to operate the transmitter by remote control which employs a power relay, a thirty second delayed time relay for the high voltage circuit and a high speed keying relay.

Dimensions—60 inches high, 20½ inches wide, 20 inches deep. The transmitter is mounted on a stand.

(See RADIO STATION, page 2)

Senior Civils Will Leave Here May 3

The senior Civil Engineers have completed the final plans for their annual senior trip. They plan to leave here May 3, and return May 19.

The inspection trip will include stops at Jefferson City, Columbia, Keokuk, Ia., Chicago, Ill., St. Louis, Mo., and vicinities. The trip will cover approximately 1500 miles, that includes 250 miles in Chicago and vicinity and 50 miles in St. Louis.

The personnel of the inspection tour will be made up of the following men: Professors E. W. Carlton and C. J. Millar; students Absher, Atkinson, Boles, Brasaemle, Bury, Campbell, Darling, Edgar, Haines, Hedges, Hurd, Klee, Krattler, Mashek, Murphy, O'Hearn, Peery, Reese, Sackewitz, Simpson, Smelser, Sullenstrup, Towse, Turken, Tuttle and Hudson.

The purpose of the annual inspection trip is to acquaint the students with the large industrial enterprises that they may have dealings with in the near future. The trip also helps the students in securing jobs for the summer.

—MSM—

R.O.T.C. Impresses Inspecting Officer

Once again the R. O. T. C. battalion has been exposed to a rigid inspection, and once again the Miners came out with flying colors. Capt. B. M. Harloe gave the theoretical examinations, and was very well pleased, and greatly impressed.

The drill was perhaps the best of the year, with Company A winning the company drill, while the first platoon of Company B took the platoon honors. The officers and corporals of each of the units were given medals for their performances.

It is beyond doubt that the success of the battalion is entirely due to the untiring efforts of the commanding staff.

—MSM—

Dr. Bardsley Gets Many Appointments

Dr. C. E. Bardsley, professor of Civil Engineering and head of the CWA work in this district, received word this past week that he has received appointments to several positions of note.

Dr. Bardsley has been appointed as one of a committee of five in charge of a new division on hydraulic research by the American

(See BARDSLEY, page 7)

Theta Tau Banquet To Be Held May 1

Theta Tau, professional engineering fraternity, held a meeting last Thursday evening in the club room. Arrangements had previously been made to have a banquet and initiation of the pledges on this evening but these were postponed until a later date.

The banquet and initiation ceremonies will be held next Tuesday evening, May 1, as was decided during the meeting. The initiation ceremonies will begin at 5 o'clock and after the ceremonies, the meeting will adjourn, temporarily, to be resumed at a banquet at 7 o'clock at the Sinclair Tavern.

If time allows, an election of officers will be held after the initiation, otherwise, the election will be held the following week.

The banquet will, in addition to being a banquet for the newly made members, be a farewell banquet for the seniors who will soon be leaving. It is hoped that all of the senior members may be present and be prepared to give a short farewell talk.

—MSM—

A.S.C.E. Holds Its Annual Election

The student chapter of the A. S. C. E. held a double meeting last Tuesday evening with the election of officers and a discussion of Boulder Dam constituting the program. At 7:30 the election of officers was held and George Borgstede was elected president; J. H. Menefee was elected vice-president and M. W. Turken received the office of secretary-treasurer. These new officers have a big job cut out for them for next year if they are to maintain the high standards set by the president and secretary-treasurer of this past year.

J. W. Darling, as president, has produced a season of the most active, most worthwhile programs in the history of the chapter. L. P. Tuttle, as secretary-treasurer, assisted "Jimmy" immeasurably, and between the two of them the organization put over a fine year of service.

During the season the chapter held fourteen meetings with an average attendance of forty-seven. There were fifty-five paid-up members in the chapter which makes it the outstanding society on the campus.

The second part of the program was devoted to short talks and the

(See A. S. C. E., page 2)

CONSTITUTION IS APPROVED

Vote Is 101 to 31

Only Faculty Approval Needed for New Student Government to Become Effective

The student body ratified the Constitution of the Senior Council by a vote of 101 to 31 at the special election held last Thursday. With this approval, the new plan of government awaits only the approval of the faculty which will meet today for its regular May meeting.

Although the vote on the special election was small there is more to the situation than the number of votes cast would show. The student advisor made an analysis of the votes in the three elections and the results show that 70 per cent of the entire student body was sufficiently interested in the issue to cast a ballot one time or another.

The seniors showed by their balloting that they had not entirely lost interest in the affairs of the school. By polling votes to the extent of 79 per cent of their enrollment, the seniors stand well up on the list. The juniors seemed the most interested in the outcome of the issue and 84 per cent of the class voted in at least one of the three elections.

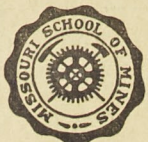
The sophomore class showed the least interest of any group. Only 62 per cent of the class voted at any time. The freshmen came out to the extent of 71 per cent and stood up in the higher percentages in each election.

If the faculty approves this new form of government there will be instituted more or less of a "new deal" in the campus activity. The whole object of the new plan is to remove politics from campus affairs as far as is possible. This cannot be brought about by any immediate steps, but with the quality of men selected for the council, there is the possibility that the trend will be toward stronger and cleaner activities.

Observations have shown that many consider the new form of organization for the council has every possibility of becoming one of the outstanding achievements on the campus. In fact, many have said that membership in the new council should, and probably will in time, become one of the most coveted honors on the campus.

The possible members of the new council are ready to make it a worthwhile organization.

THE MISSOURI MINER



Official Publication by the Students of the
MISSOURI SCHOOL OF MINES AND METALLURGY,
in the Interest of the Alumni, Students and Faculty.

Published every Tuesday during the college year.

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FACULTY ADVISER DR. J. W. BARLEY

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COMPULSORY CLASS DUES

Observation of the bulletin boards this week showed clearly that there is something lacking in the organization of the various classes and in some of the organizations.

Last fall the question of contracting with the Rollamo for pictures in the book was brought up before many of the organizations represented on the bulletin boards. At the time, the various groups voted to have the picture put in the book, but no provisions were made for the consequent payments. This has resulted in considerable embarrassment for the Business Manager of the Rollamo Board, and has also caused the leaders of the organizations no end of trouble in their efforts to collect at this late date.

There is really no excuse for such a condition to exist, but since it does and has every promise of recurring next year and for years to come, it seems logical that some remedy would be apropos.

It is our suggestion that compulsory class dues be assessed and made payable to the business office at the time of registration. This money could be handled much in the same manner that the funds of the Rollamo Board and the Miner Board are at present. Of course, stricter regulation should be necessary on the expenditures of the classes, but the redeeming feature of the idea is that if the surpluses were cumulative, there would be at the end of the Senior year a sizeable sum available for whatever purpose the class might elect.

The amount necessary to cover the major items that the classes might incur should not be large when it is spread over a normal size class. With a short period of study it could be quickly determined just what amount would be the best to assess.

As for the various organizations and their dues collecting troubles, there is only one answer, and that is that, in future, officers should be elected for their ability to lead and not for their political affiliations. We must remember that we have long passed the high school type. Membership in an organization should now mean something. Every society has its purposes and duties, and membership entails the assumption of these duties. Paying bills is one of the duties and it cannot be neglected.

Think over this idea and let us know what your reaction is. Many other schools have the compulsory class dues idea in effect and it works splendidly. The surpluses accumulated in four years have often been put to very good use by the Seniors.

RADIO STATION

(Continued from Page 1)

dard Collins 60 inch relay rack.

Radiophone operation — 2 830B's serve as Class B modulators for radiophone operation. These tubes have a rated power output of 170 watts, but they are required to deliver only 100 watts of audio power to fully modulate the 200 watt plate input into the radio frequency output stage, so they can be operated with negligible distortion.

A special arrangement has also been made so that the speech amplifier may be detached from the transmitter and used for public address operation on the field or in the gym.

Power supply—The power unit is of very rugged construction although it is built in a very compact form. The high voltage rectifier uses 2-866 tubes and delivers 400 ma. for radiophone operation and 1250 volts at 200 ma. for telegraph operation.

The station may be operated only by persons holding an amateur radio operator's license. However, any one may use the telephone transmitter provided a licensed operator is in the station. The law governing the operation of the station states that "the station may not be operated for commercial or entertainment purposes."

The question will arise, how will this station benefit the school? This may be answered by the fact that in its operation, it will bring the name of the school all over the United States and foreign countries. It will stimulate interest in short wave radio transmission and acquaint the students interested in this line of work with the theory and operation of radio equipment. Another question often arises, "What will be the range of this station?" This is a rather difficult question to answer as it depends largely upon the conditions under which the station is worked and also upon the operators themselves. We are fortunate in having an excellent location here at Rolla, and if a suitable location is found for receiving, this set will really "step out." There should be no trouble in securing satisfactory telephone contacts with stations all over the U. S. and South America. The range is considerably increased with the telegraph operation and by next winter all continents should be contacted.

The installation will be made under the direction of Doug Martin, and it is hoped that the station will be in operation shortly before the end of the school year. We are indeed fortunate in securing such a piece of equipment and due credit should be given to the E. E. department and to Doug Martin in their untiring efforts to provide M. S. M. with a radio transmitter.

Details of Senior Beer Bust Secret

The Seniors held a class meeting last Friday and decided to hold a beer bust some time before the major part of them get away on the senior trips. No location was determined and no definite time set. This part of the affair seems to be the seniors' "own little secret."

A. S. C. E.

(Continued from Page 1)

showing of pictures, both still and moving, of the work in connection with the construction of Boulder Dam.

W. H. McDill was the first speaker on the program, and he discussed the history of the Colorado River and its development for the uses of man. Also he told of the reasons for the promotion of this huge \$165,000,000 project.

M. W. Turken spoke next on the details of the construction, especially that part of the work connected with the provision of living quarters for the laborers on the project. This preliminary feature entailed the construction of a small city for the housing of over five thousand people. The city was started from scratch in the desert above the dam, and in fifteen months the entire town was complete and ready to receive the people who will make their homes there for the next five years.

D. J. Peery told the audience about the details of the work connected with the preparation of the aggregates and the mixing of the concrete in the project. The largest and most efficient gravel screening and washing plant in the world was designed and installed about four miles above the dam site for this one job. The mixing plant, also the world's largest, was designed to produce a tremendous quantity of accurately controlled concrete and yet require the minimum amount of labor in its operation.

Following the talks, Ray Brasaele explained the content of a series of photographs sent to the society by Dr. Elwood Meade, commissioner of the Bureau of Reclamation. The views were all more or less up-to-date, and proved very interesting.

The entire audience then went to the auditorium in Parker Hall where four reels of excellent movies taken on the Boulder project were shown. To those that saw the movies, no explanation is necessary, but those that did not see them missed an opportunity of obtaining a good idea of the tremendous task the government has started in constructing the tallest dam in the world.

—MSM—

KRUMMY CRACKS

—Anonymous—

Raised

"Did you hear about Mr. Jones, the bridge expert, being the father of twins?"

"Yes—looks like his wife doubled the bid."

—Goldpan

—\$—

How Much Cash?

Customer: "Won't you take off something for cash?"

Salesgirl: "SIR!"

—Goldpan

—\$—

Prof.: "What do you know of Latin syntax?"

Soph: "Did they have to pay for their fun too?"

—Goldpan

—\$—

All is not bust that bustles.

The clean Center Leaves are the mildest leaves *They Taste Better!*



Luckies are all-ways kind to your throat



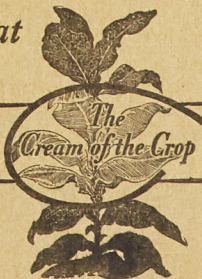
WHEREVER the finest tobaccos grow—in our own Southland, in Turkey, in Greece—all over the world, we gather the very Cream of the tobacco Crops for Lucky Strike. And that means *only the clean center leaves*. The center leaves are the mildest leaves—they taste better and farmers are paid higher prices for them. These clean center leaves are the only ones

used in making Luckies. Then "It's toasted"—for throat protection. And every Lucky is fully packed with these choice tobaccos—made round and firm, free from loose ends—that's why Luckies "keep in condition"—why you'll find that Luckies do not dry out—an *important point to every smoker*. Naturally, Luckies are always in all-ways kind to your throat.

"It's toasted"

✓ Luckies are all-ways kind to your throat

Only the Center Leaves—these are the Mildest Leaves



They Taste Better



THRU THE TRANSIT



By Pin, who is a tired butterfly

We predicted that this would be a large week-end, and we were certainly right. Such a time. For a while it seemed like another St. Pats; so much doing all the time that it would take a book to record it all in.

St. James really threw one. But we must say that we don't especially care for the way they treat the Miners and the boys from Rolla. They really put it on Ernie Walker Friday. His face looks like somebody ran a tractor over it. It seems that Ernie ran afoul a family of four brothers, each one bigger than the other, and while two of the brothers held Ernie the other two pounded his face. It looks like they used knuckles or something. Grosskopf from the U. S. G. S. and Thomas from the same place also had a little trouble Friday. St. James is going to have a worse reputation than Mitendorf's or Peggy's at Sullivan if they allow that sort of stuff to go on. However, aside from that it was a pretty good affair. And to crown the evening, a real old-fashioned strip dance was held. Four girls, from Joplin, so we hear, got out in the middle of the floor and took off all except some little panties. Our biggest regret is that we happened to be elsewhere when this happened. They were planning something better than that for Saturday night, but it seems that the city fathers or mothers or something of St. James raised a kick, so the entertainment for Saturday night was toned down. They had a bunch of fireworks, too, Friday and Saturday.

The Merciers and Sigma Nues had a unique ball game Friday afternoon. From about the fifth inning they had ten men on the Sigma Nu team. The nine regular players and one beer replenisher. Jack Wright carried around a big can with him and ran around the field filling up the players' beer cans when they ran out of the brew. Such a business. The Snakes were throwing a bust with the Pi K. A.'s and the beer arrived before the game was over. What a bust. We never did think before that 6% beer could be so powerful. It has authority and no fooling. From the bust, everybody went up to St. James and did his part, and a few did more than their part, to make that dance a howling success.

Saturday night the same two houses threw a dance at the Pennant. That was some affair. If we mentioned all the strange things that happened that night we would take up practically all the space in this rag and we know the editor wouldn't like that; but, we will say that Murry and De Roy wound up in St. James washing dishes for their breakfast and then had to hitch-hike back to Rolla. We would also like to thank Maggie for giving us all the potato chips we could

eat for once. If there is anything we love it is potato chips. We might get off a few good cracks on some of the members of the faculty, but being's as how some day we might be up before them, we won't say anything about the War department having trouble with the door at the pennant or how another member got a cigarette in his eye, we will just keep our mouths shut.

Well, we didn't get one of Snyder's cigars, so we won't give him one of ours. Yes, we gave some out. Right proud to do so, too. Been wanting to all year, but didn't have the necessary capital until now. By the way, Snyder's cauliflower was down to his dance Saturday. That's getting pretty serious — they haven't missed a week-end since St. Pats. Wonder if she gets the Miner? When we tell all about Snyder's little trip to — well, we promised not to tell that, but nevertheless if we ever print it we will have to send her a copy.

Mrs. X. Smith was getting on our ear about something that appeared in the Miner. We blamed Montgomery, Montgomery blamed us, so being's as how the Mucker wasn't present we shifted the blame onto him. We really are sorry, Mrs. Smith, that is, sorry that we missed it ourselves. We are chagrined, or something.

Well, we officially have a Senior Council now. The election approved the constitution for one year at least. It is up to them to see if they can not become something more than a name. It looks a bit like the quarrel between the factions on the campus might be settled soon too. It would be a good idea. This campus is too small to have petty fights with each other. Everything would be a lot more fun if everybody was everybody else's friend. Since we are starting with a new Senior Council we might as well start everything else anew too and forget old grudges.

Does anybody know if George Breuning is sober yet?

Lo! and behold! Six frosh, or maybe eight frosh, burned their suspenders last Saturday night. No noise; no blocking of traffic; nothin'. Now is that the way to act, frosh? We ask you.

—MSM—

Tau Beta Pi Elects Officers for Year

Tau Beta Pi held its annual election last Friday evening. W. H. Codrington was elected to guide the destinies of the organization as president. D. W. Dutton was appointed to the office of vice-president and Max M. Fischer was elected to the office of secretary.

Tau Beta Pi plans to take an active part in the promotion of activities on the campus next year, and through the direction of its new officers it should be successful.

ARE YOU
A
KEY
JUGGLER?

Watch out for the signs of jangled nerves

You've noticed other people's nervous habits—and wondered probably why such people didn't learn to control themselves.

But have you ever stopped to think that *you*, too, may have habits just as irritating to other people as those of the key juggler or coin jingler are to you?

And more important than that,

those habits are a sign of jangled nerves. And jangled nerves the signal to stop and check on yourself.

Get enough sleep—free recreation—and watch smoking. Remember, you want. Their costlier toll never jangle the nerves.

COSTLIER TOBACCOS

Camels are made from finer, MORE EXPENSIVE TOBACCOS than any other popular brand of cigarettes.

CAMEL

TUNE IN!

CAMEL CARAVAN with the and Budd, Thursday at 9 P. M., E.S.T.—6 P. M.,

ST. PAT'S BOARD

FINANCIAL STATEMENT

April 5, 1933 to April 18, 1934

RECEIPTS:

Cash on hand April 5, 1933.....	\$ 106.32
Rolla State Bank (closed account).....	125.58
National Bank Dividend.....	79.32
Old Accounts collected.....	21.30
Dance given by orchestra Sept. 23.....	3.07
Benefit Show Oct. 29.....	21.75
Net Profits from Dance Nov. 17.....	10.25
Sale of Theatre Ticket Books.....	15.80
Net Profits from Dance Jan. 13.....	54.70
Net Profits on Parish House Dance.....	26.55
Net Profits, Cloak Room at Interfrt. Dance.....	8.45
Net Profit, Military Ball.....	20.00
Net Profit, Dance and Raffle Feb. 21.....	81.45
Net Profit, Tournament Dance Mar. 3.....	42.05
Rent of Piano.....	5.00
Sale of St. Pat's Tickets.....	1582.50

\$2204.09

EXPENDITURES:

Police Duty, St. Pat's 1933.....	9.00
Net Loss on Freshman Dance.....	15.45
Page in 1934 Rollamo.....	20.00
Miscellaneous.....	18.44

St. Pat's Expenses:—

Orchestra.....	\$ 800.00
Decorations.....	275.00
Programs.....	49.13
Tickets.....	9.25
Janitor and Watchmen.....	37.00
Maids at Gym.....	7.50
Shingles.....	8.50
Electrician.....	20.00
Flowers.....	33.75
Cost of Broadcast.....	120.86
Advertising.....	22.89
Wax for Floor.....	14.70
Piano Tuning.....	4.00
Lumber.....	9.39
Pass-out Checks.....	5.30
Miscellaneous.....	19.67

1436.94 1436.94

Balance on hand April 18, 1934..... 704.26

\$2204.09

Assets and Liabilities as of April 18, 1934.

ASSETS:

Cash on hand.....\$704.26

Accounts Receivable:—

Flowers—9 organizations @ \$2.50.....	22.50
Piano Rent, Freshman Class.....	5.00

\$731.76

LIABILITIES:

Accounts Payable:—

U. S. Tax on Dances.....	141.75
Keys for Board Members.....	106.85
Tax on checks for above.....	0.04

\$248.64

NET ASSETS.....\$483.12

DAVE P. HALE
Treasurer, St. Pat's Board

Accounts audited

H. H. ARMSBY
Student AdvisorMiners Invited to
Attend Tea Dance

The Rolla Junior Club cordially invites all M. S. M. students to be their guests at a tea dance to be given Saturday, May 12, from 4:00 to 6:00 p. m., College Inn, Hotel Edwin Long. Light refreshments

will be served at this dance.

There will be a lot of out-of-town girls here at this time for a Junior Club District Convention. We hope that every student who can, will come to this dance and help make it a success.

Eleanor McCrae
Chairman, Dance Committee.TEST YOUR NERVES
FREE!

Shows 20 ways to test nerves—all illustrated. Instructive and amusing! Try them on your friends—see if you have healthy nerves yourself... Mail order—blank below with fronts from 2 packs of Camels. Free book comes postpaid.



CLIP AND MAIL TODAY!

R. J. Reynolds Tobacco Company
Dept. 76-E, Winston-Salem, N. C.I enclose fronts from 2 packs of Camels.
Send me book of nerve tests postpaid.Name.....
(Print Name)

Street.....

City..... State.....

Offer expires December 31, 1934

SMOKE AS MANY AS YOU WANT...
THEY NEVER GET ON YOUR NERVES!

CARAVAN and Budd, Connie Boswell, Every Tuesday and
at 9 P. M., E. S. T.—6 P. M., P. S. T., over WABC-Columbia Network

Bears Fall Prey to Miner Trackmen

SCORE, 70 - 66

McGregor Cops Three Firsts and Runs on Relay Team; Miners Again Strong in the Field Events

The Miners defeated the Bears of Springfield Teachers College in a dual meet last Wednesday by the score of 70 to 66. The score was close throughout with neither of the teams having greater than a five point advantage at any time. The Miners were trailing by two points with two events remaining, but they managed to win these and come home the victors.

Undoubtedly the outstanding star of the meet was McGregor, who won three firsts and also ran on the winning relay teams.

Mac won the 100-yard and 440-yard dashes and the final event of the day, deciding the meet, which was the broad jump. Lange beat out Kruse, the veteran Miner high jumper, to turn the tables on his conqueror in previous meets this spring. Towse again threw the javelin 180 feet.

The Miners were much stronger in the field events than in the track events as is shown by the fact that they outscored the Bruins 32 to 22 on the field while trailing 44 to 38 on the cinder path.

The Miners meet Cape Girardeau next Friday at Jackling Field in a dual meet. The starting time has been moved up to 3 o'clock to allow classes to go on as scheduled. The javelin and discus events will be held on the golf course, due to the poor condition of the athletic field. This is the first time that the two schools have met in a dual meet and there are no previous scores to rate the two schools on a comparative basis.

The summary of the Miners-Teachers meet follows:

100-yd. Dash—McGregor (M) first; Barnes (S) second; Knight (S) third. Time 10.7.

220-yard Dash—Howerton (M) first; Barnes (S) second; Knight (S) third. Time 23.4.

220-yard Low Hurdles—Calloway (S) first; Nickel (M) second; Barnett (S) third. Time 27.3.

440-yard Dash—McGregor (M) first; Irwin (M) second; H. Wolfers (S) third. Time 52.00.

880-yard Run—Babb (S) first; Irwin (M) second; Suhre (M) third. Time 2:08.

120-yard High Hurdles—Calloway (S) first; Barnett (S) second; Kruse (M) third. Time 17.2.

Mile Run—Babb (S) first; Carter (S) second; Meacham (M) third. Time 4:53.8.

880-yard Relay—Miners (McGregor, Hoffman, Nickel and Howerton) first. Time 1:34.4.

Two Mile Run—Carter (S) first; Martin (S) second; Hall (M) third. Time 10:34.00.

Mile Relay—Miners (Meacham, Suhre, McGregor and Irwin) first. Time 3:38.00.

Shot Put—Roush (S) first; Alyward (M) second; Schwab (M)

Miner Sports

Games One-Sided in Intramural League

The intramural loop saw six games go into the books last week, with the looked-for mound duel of Breuer versus Harwell taking place as the high spot of the week's play.

Breuer's Bluer Now

The Juniors were held to two hits by the southpaw slants of Harwell, Sigma Pi pitcher, and the Sigma Pi boys piled up five runs while the Juniors were getting one, Sigma Pi nicked Breuer for six safeties. Batteries: Sigma Pi: Harwell and Gardner; Juniors, Breuer and Graff.

"Late to Supper Agin, By Heck!"

The Seniors swamped the Kappa Sig team under the score of 15 to 1. The Seniors collected eighteen hits while the Kappa Sigs were getting six. Batteries: Seniors: O'Hearn and Eckert; Kappa Sigma, Gallo-way and Schaumberg.

Snake Infield Gets Sieve-Like

The Merciers profited by Sigma Nu errors and turned seven hits into thirteen runs to beat the Sigma Nu nine by the score of 13 to 2. The Merciers got seven hits to two hits for Sigma Nu. Batteries: Mercier, Scheer and Haffner; Sigma Nu, Folsom, Coddington and Hoener.

Last Inning Turns Ticket

Lambda Chi Alpha pushed across three runs in the last inning to win from the Pi K. A. nine by the score of 11 to 8. The Lambda Chi team got twelve hits to Pi K. A.'s eleven. Batteries: Lambda Chi, Powers and Kaley; Pi. K. A., Holtman and Pfeifer.

Breuer Brews Trouble for Sophs

The Juniors took a close game from the Sophomores by the score of 5 to 2. The Juniors gathered eight hits while the Sophomores were getting three. Batteries: Juniors, Breuer and Goldmacher; Sophomores, Mooney and Roy.

third. Distance 40' 1/2".

Discus Throw—Schwab (M) first; Roush (S) second; Suhre (M) third. Distance 119'.

Javelin Throw—Towse (M) first; Dennis (S) second; Nixon (M) third. Distance 179' 6".

High Jump—Lange (M) first; Spurgeno (S) and Kruse (M) tied for second. Height, 5' 9".

Pole Vault—Roush (S) first; Neel and Lange (M) tied for second. Height 10' 9".

Broad Jump—McGregor (M) first; Dennie (S) second; Calloway (S) third. Distance 20' 10".

Yearlings Get Treated to Cleaning

The Seniors walloped the Freshmen to the tune of 13 to 3. Kirchoff did the pitching for the Seniors while Eckert did the receiving. Busch pitched for the freshmen and Wilkey caught.

Miners Lose in Golf at Springfield, 3-6

The Miners were defeated in a dual golf meet at Springfield the same day as the track meet.

Aton shot 37-40-77 against Powers, 39-38-77. Beasley counted 36-43-79 against H. J. Pfeifer's 41-43-84 for 3 points. Flavins Varly of Springfield won, 2 to 1, from R. T. Chapman of the Miners with respective scores of 45-37-82 and 43-42-85. The final score was Springfield 6; Miners, 3.

Sigma Xi Hears Prof. Dean Speak

At Tuesday night's meeting of Sigma Xi, Prof. George R. Dean discussed some of his work on "Discontinuous Functions." The supreme importance of research on these is due to our constant dealing with discontinuities. Mathematical developments in this field work will be of great value in engineering and the basic sciences.

Professor Dean gave the following account of the developments and needs in this field:

"Since the time of Laplace the solutions of linear partial differential equations have been expressed as infinite series of harmonic functions. The coefficients of these series have been determined by comparison, with known expansions of the boundary conditions in like series.

"When the boundaries of the bodies were continuous and the boundary conditions also continuous, the solutions were approximately correct in some cases, but were erroneous in others.

"The solution of the differential equations by means of definite integrals was first effected by Laplace

for gravitational fields, but apparently he made no use of such integrals. Since that time several equations have been solved but none of the solutions are complete.

"The complete solutions must contain more than one arbitrary function, and enough boundary conditions must be given to determine these functions.

"The expression of discontinuous functions by means of definite integrals is a late development and leads to the means of determining these arbitrary functions. However, nothing can be done until the differential equations shall have been solved completely. This is the task now confronting the mathematician. Whoever completes the picture ought to get a Nobel prize."

Eight Initiated by Epsilon Pi Omicron

The Epsilon Pi Omicron, local chemical fraternity, held an initiation last Tuesday evening, April 24. The following men were honored with membership: Zvanut, Poese, Haffner, Mortland, Neel, Fager, Fiss and Striker.

Preceding the final degree of initiation, a banquet was held at the Sinclair Tavern which was immensely enjoyed by all. Following the dinner, the group retired to the Chemistry Building, where Dr. W. T. Schrenk gave the pledges a short talk on Alpha Chi Sigma, national chemical engineering fraternity, with which organization the local fraternity hopes to affiliate.

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Comedy, "Luncheon at Twelve"

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FRIDAY, May 4

Race Night

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with Anna Sten, Lionel Atwill,
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Phillips Holmes, Muriel Kirkland

— ALSO —

Betty Boop in "I Heard" & Musical

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SATURDAY, May 5

— TWO SHOWS —

Special Saturday Matinee Featuring
Tim McCoy in

Man of Action

— ALSO —

Comedy, "SAY IT ISN'T SO"

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Prices 5c and 15c, Show at 2 P. M.

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Mason and William Bakewell

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Shows 7:15 and 9:00

SUNDAY and MONDAY

May 6 - 7

Wonder Bar

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Delores Del Rio, Al Jolson, Ricardo
Cortez Hal LeRoy Guy Kibbee
and Hugh Herbert

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TUESDAY, May 8

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Search for Beauty

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OR TWO FOR 10c and 35c

Shows 7:15 and 9:00

SMITH'S PLACE

Billiards—Snooker

Next to Followill's

Companies Request Seniors to Apply

This week the office has received a number of requests for applications from seniors for employment. The office posted the names of the inquiring companies on the bulletin boards but we thought the announcement important enough to deserve publication. The following companies have asked for applications:

Humble Oil and Refining Co.—Chemicals, petroleum producers, geologists and mechanicals.

White Eagle Refining Co.—Chemicals, petroleum engineers, mechanicals, electricals.

Westinghouse—Electricals, mechanicals.

Caterpillar Tractor Co.—Mechanicals.

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Square D Company — Electricals for saleswork.

Mr. Hubbard can give more details on these applications, and it is advisable to see him immediately.

—MSM—

H. Haffner Elected Blue Key President

The Missouri School of Mines Chapter of Blue Key, national honor fraternity, in a meeting of April 19, elected officers for the following year. The men honored by the organization are:

H. Haffner, president; H. Dallmeyer, vice-president; G. Nolde, corresponding secretary; W. Neel, recording secretary-treasurer; W. Snyder, alumni secretary.

At the same meeting some of the outstanding men of the sophomore class were elected to pledgeship. They are Hubbard, Hanson, Pfeifer, Hoffman, Striker, Folsom, Mooney, Fager, McCarron and Simmons. Congratulations are in order, and it is hoped that these men will carry on the good work well started.

There is a possibility of the Blue Key's arranging to decorate the gym for the Commencement dance, but no final decision has been reached, but it is hoped some arrangements can be made for a bigger and better final dance.

—MSM—

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BARDSLEY

Continued from Page 1

Society of Civil Engineers. The appointment was received from H. P. Eddy, president of the society. The other members of the committee are Prof. Lorenz G. Straub, professor of Hydraulics at the University of Minnesota; Dr. Herbert D. Vogel, director of the U. S. Waterways Experiment Station of the Mississippi River Commission at Vicksburg, Miss.; John C. Stevens, chairman, consulting hydraulic engineer, Portland, Ore.; Chilton A. Wright, director of hydraulics laboratory of the U. S. Bureau of Standards, Washington, D. C.

An appointment was also received by Dr. Bardsley to the committee for Seminar of the Society for Promotion of Engineering Education in connection with the June meeting to be held at Ithaca, N. Y. Dr. Bardsley will read a paper on "Hydraulic Similitude and Hydraulic Models." Dr. Bardsley has more or less specialized in the field of hydraulic similitude as he spent much time on the problems connected with it while he was studying in Europe as a Freeman Traveling Scholar.

Another honor conferred upon Dr. Bardsley in the past week was the invitation he received from a committee at Cornell University. This committee is preparing a syllabus of engineering and Dr. Bardsley has been invited to write a division on the subject of hydraulic engineering.

Dr. Bardsley also received word this past week that he had been elected to the National Extension Board of Phi Kappa Phi.

These appointments have been descending upon the Professor so fast this past year, that it seems impossible for one man to bear up under the extreme load. Dr. Bardsley, however, has dispatched with each of his many jobs and has received commendation on each of them.

We congratulate Dr. Bardsley on the receipt of these new honors.

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MINING NEWS

by the Mucker
(Champ dirt-digger-upper)

Who was that august personage who attempted to promote feline birth control on M. S. M.'s campus? The fellows in quant class think they know.

Warning — If you value a dry skin, don't sit within water-throwing distance of the upstairs of the chemistry building—Score so far: Practically all the freshmen, including girls—a gentleman from the U. S. G. S.; Eckert; a couple of cats, almost got Dr. Schrenk (by mistaken identity) the Colonel, Fred and Grubby—also numerous others too tedious to relate—Beware—our aim is good and the water is very wet. We hope to get K. K. K.

Our ears are always open for dirt—especially anything obtained on Prof. Rankin. Prof.—come clean—isn't there something in your past you're ashamed of?

Who was the prof who said, "Mama, go get the coal oil, the old hen is fertarkin again!" We don't know what "fertarkin" means but you can guess—who the prof. was.

Something new in extemporaneous speaking was brought up by Miss H. (P) John and Dick Taylor. They gave a song and a dance act on the top of a table at the Colonial Hotel during the public speaking class banquet. They are quoted as saying—"We couldn't say what we meant so we put it in motion."

It's rumored that the Publicity man of the (75 club) and his spouse of drug store fame (Scott's to you) were seen in Harvey's with their little Jimmie, sipping beer. Quite a family.

You should have heard the things that Pete Lange was shouting at the girl in the floor show who was so particularly "well developed."

—MSM—

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